

17691 U.S. PTO  
10/03 PTO/SB/05

U.S. Department of Commerce  
Patent and Trademark Office  
PATENT

20210-U.S. PRO  
08/01/03

## UTILITY PATENT APPLICATION TRANSMITTAL

### MAIL STOP PATENT APPLICATION

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Customer No. 23696  
Attorney Docket No.: 020131  
Date: August 1, 2003  
Express Mail Label No.: EV 328 151 777 US

Dear Sir:

Transmitted herewith for filing is the patent application of:

Inventor(s): Andrew Sendonaris

For: COMPENSATING FOR FREQUENCY SHIFT AND TIMING SHIFT IN FREQUENCY AND TIME  
TRACKING LOOPS BASED ON MOBILE UNIT VELOCITY.

Enclosed are:

1.  Patent application (25) total pages.
2.  Drawings:  Formal (7) sheet(s) or  Informal ( ) sheet(s).
3.  Declaration/Power of Attorney:  Signed  Unsigned
4.  This application claims priority from Application Serial No. 60/408,608, Filed September 5, 2002, Status Pending and Application Serial No. 60/435,005, Filed December 20, 2002, Status Pending.
5.  An Assignment ( ) pages and Recordation Form Cover Sheet.
6.  A Preliminary Amendment ( ) pages.
7.  Information Disclosure Statement (IDS):
  - a.  PTO-1449
  - b.  Copies of IDS Citations (number of citations: )
8.  Other:

CLAIMS:	(a) Filed	(b) Extra Claims	Large Entity Fee	Fee Paid
Total*	47 - 20	27	x \$18 =	\$486.00
Independent**	4 - 3	1	x \$84 =	\$84.00
Multiple Dependent Claim(s): <input type="checkbox"/> No <input type="checkbox"/> Yes			\$280	\$
<b>APPLICATION FILING FEE</b>			\$750	\$750.00
			<b>TOTAL FEE</b>	<b>\$1320.00</b>

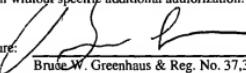
\*If the number in column a is less than 20, enter 0 in column b.

\*\*If the number in column b is less than 3, enter 0 in column b.

9.  A check in the amount of \$ \_\_\_\_\_ is enclosed to pay the filing fee.
10.  Please charge Deposit Account No. 17-0026 of QUALCOMM Incorporated the amount of \$1320.00. The Commissioner is hereby authorized to charge payment of any additional fees which may be required, or credit any overpayment, to said Deposit Account No. 17-0026. A duplicate of this sheet is enclosed for fee processing.
11.  The Commissioner is further hereby authorized to charge to said Deposit Account No. 17-0026, pursuant to 37 CFR 1.25(b), any fee whatsoever which may become properly due or payable as set forth in 37 CFR 1.16 to 37 CFR 1.18 inclusive, for the entire pendency of this application without specific additional authorization.

Date: August 1, 2003

Signature:

  
Bruce W. Greenhaus & Reg. No. 37,339

Phone No. (858) 651-6399

### CORRESPONDENCE ADDRESS

Send correspondence to Customer No. 23696 at the following address:

QUALCOMM Incorporated  
Attn: Patent Department  
5775 Morehouse Drive  
San Diego, California 92121-1714  
Telephone: (858) 658-5787  
Facsimile: (858) 658-2502